IN THE CLAIMS:

Please amend the claims as follows:

Claims 1 to 32 (Cancelled)

33. (Currently Amended) A method including

delivering at least one event message to a multiplexing recipient <u>for delivery through said multiplexing recipient to at least one intended recipient</u>;

maintaining said event message in a persistent memory at said multiplexing recipient; and

reliably delivering said event message from said multiplexing recipient to <u>said</u> at least one intended recipient of said event message.

34. (Original) A method as in claim 33, including

receiving said event message by said intended recipient; and

generating a confirmation of said event message in response to said event message.

35. (Original) A method as in claim 33, wherein said event message is provided by at least one event message producer.

36. (Original) A method as in claim 33, wherein reliable delivery of said event message from said multiplexing recipient includes

persistently maintaining said event message at said multiplexing recipient;

upon recovery from an error at said multiplexing recipient, replaying said event message from said multiplexing recipient to said intended recipient;

whereby said event message is reliably delivered to said intended recipient.

37. (Original) A method as in claim 36, wherein said persistent maintenance includes recording said event message in an event-indication queue, said event-indication queue having resources pre-allocated before occurrence of an event associated with said event message.

38. (Original) A method as in claim 36, wherein said persistent maintenance includes recording said event message in an event-indication queue, wherein said event indication queue is reliable even when the event message indicates that allocation of new resources is unstable.

39. (Cancelled)

40. (Previously Presented) A method as in claim 36, including delivering said event message to said intended recipient;

receiving a confirmation of said delivery; and

removing said event message from said persistent memory in response to said confirmation.

41. (Original) A method as in claim 33, wherein reliable delivery of said event message from said multiplexing recipient includes

persistently maintaining said event message at said multiplexing recipient until at least one intended recipient of said event message confirms delivery of said event message;

sending a confirmation of delivery from said multiplexing recipient in response to a confirmation of delivery from said intended recipient.

42. (Original) A method as in claim 41, wherein said persistent maintenance includes recording said event message in an event-indication queue, said event-indication queue having resources pre-allocated before occurrence of an event associated with said event message.

43. (Original) A method as in claim 41, wherein said persistent maintenance includes recording said event message in an event-indication queue, wherein said event-indication queue is reliable even when the event message indicates that allocation of new resources is unstable.

44. (Cancelled)

45. (Previously Presented) A method as in claim 41, including

delivering said event message to said intended recipient;

receiving a confirmation of said delivery; and

removing said event message from said persistent memory in response to said

confirmation.

Claims 46 to 48 (Cancelled)

49. (Currently Amended) A memory including instructions, said instructions

capable of being interpreted to indicate

delivering at least one event message to a multiplexing recipient for delivery

through said multiplexing recipient to at least one intended recipient;

maintaining said event message in a persistent memory at said multiplexing

recipient; and

reliably delivering said event message from said multiplexing recipient to said at

least one intended recipient of said event message.

Claims 50 to 68 (Cancelled)

69. (Currently Amended) Apparatus including

means for delivering at least one event message to a multiplexing recipient <u>for delivery through said multiplexing recipient to at least one intended recipient;</u>

means for maintaining said event message in a persistent memory at said multiplexing recipient; and

means for reliably delivering said event message from said multiplexing recipient to <u>said</u> at least one intended recipient of said event message.

70. (Original) Apparatus as in claim 69, including

means for receiving said event message by said intended recipient; and

means for generating a confirmation of said event message in response to said event message.

Claims 71 to 73 (Cancelled)

74. (Currently Amended) In a method including reliable delivery of event messages, a persistent memory including

a persistent record of at least one event message at a multiplexing recipient<u>, said at least one event message intended for delivery to at least one intended recipient through said multiplexing recipient;</u> and

an instance of said event message deliverable from said multiplexing recipient to at least one intended recipient of said event message.

75. (Currently Amended) In apparatus having elements capable of performing a method, said method including reliable delivery of event messages, a persistent memory including

a persistent record at a multiplexing recipient of at least one event message intended for delivery to at least one intended recipient through said multiplexing recipient, said persistent record maintained until said at least one intended recipient of said event message confirms delivery of said event message; and

upon recovery from an error, a replayable instance of said event message.

76. (Original) A memory as in claim 75, including a record of said event message during a duration when delivery of said event message is not yet feasible.

77. (Original) A memory as in claim 75, including

at least one event message in a plurality of memory locations, each one of said plurality of memory locations being accessible by both a first server device and a second server device; and

upon recovery from an error at said first server device, at least one instance of said event message replayable from said second server device.

78. (Currently Amended) A memory as in claim 75, including

a persistent record of at least one event message at <u>said</u> a multiplexing recipient; and

an instance of said event message deliverable from said multiplexing recipient to at least one intended recipient of said event message.

79. (New) A memory as in claim 49, wherein said instructions are further capable of being interpreted to indicate

receiving said event message by said intended recipient; and

generating a confirmation of said event message in response to said event message.

80. (New) A memory as in claim 49, wherein said event message is provided by at least one event message producer.

81. (New) A memory as in claim 49, wherein reliable delivery of said event message from said multiplexing recipient includes

persistently maintaining said event message at said multiplexing recipient;

upon recovery from an error at said multiplexing recipient, replaying said event message from said multiplexing recipient to said intended recipient;

whereby said event message is reliably delivered to said intended recipient.

82. (New) A memory as in claim 81, wherein said persistent maintenance includes recording said event message in an event-indication queue, said event-indication queue having resources pre-allocated before occurrence of an event associated with said event message.

83. (New) A memory as in claim 81, wherein said persistent maintenance includes recording said event message in an event-indication queue, wherein said event indication queue is reliable even when the event message indicates that allocation of new resources is unstable.

84. (New) A memory as in claim 81, wherein said instructions are further capable of being interpreted to indicate

including delivering said event message to said intended recipient;

receiving a confirmation of said delivery; and

removing said event message from said persistent memory in response to said confirmation.

85. (New) A memory as in claim 49, wherein reliable delivery of said event message from said multiplexing recipient includes

persistently maintaining said event message at said multiplexing recipient until at least one intended recipient of said event message confirms delivery of said event message;

sending a confirmation of delivery from said multiplexing recipient in response to a confirmation of delivery from said intended recipient.

86. (New) A memory as in claim 85, wherein said persistent maintenance includes recording said event message in an event-indication queue, said event-indication queue having resources pre-allocated before occurrence of an event associated with said event message.

87. (New) A memory as in claim 85, wherein said persistent maintenance includes recording said event message in an event-indication queue, wherein said event-indication queue is reliable even when the event message indicates that allocation of new resources is unstable.

88. (New) A memory as in claim 85, wherein said instructions are further capable of being interpreted to indicate

delivering said event message to said intended recipient;

receiving a confirmation of said delivery; and

removing said event message from said persistent memory in response to said confirmation.